


R07



{In Archive} Re: chlor alkali plants 
Sara McGurk to: Sheila Canavan
Cc: Brian Symmes, Thomas Groeneveld

11/28/2007 10:39 AM

History: This message has been replied to and forwarded.

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How efficient. This lists 9 active plants, there are only 7 now. I believe the Occidental facility in Delaware closed recently, but I'm not sure what the other one is. Sue might know.

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Sheila Canavan/DC/USEPA/US



Sheila
Canavan/DC/USEPA/US
11/28/2007 10:32 AM

To Sara McGurk/DC/USEPA/US@EPA, Brian
Symmes/DC/USEPA/US@EPA, Thomas
Groeneveld/DC/USEPA/US@EPA

cc

Subject chlor alkali plants

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Mercury

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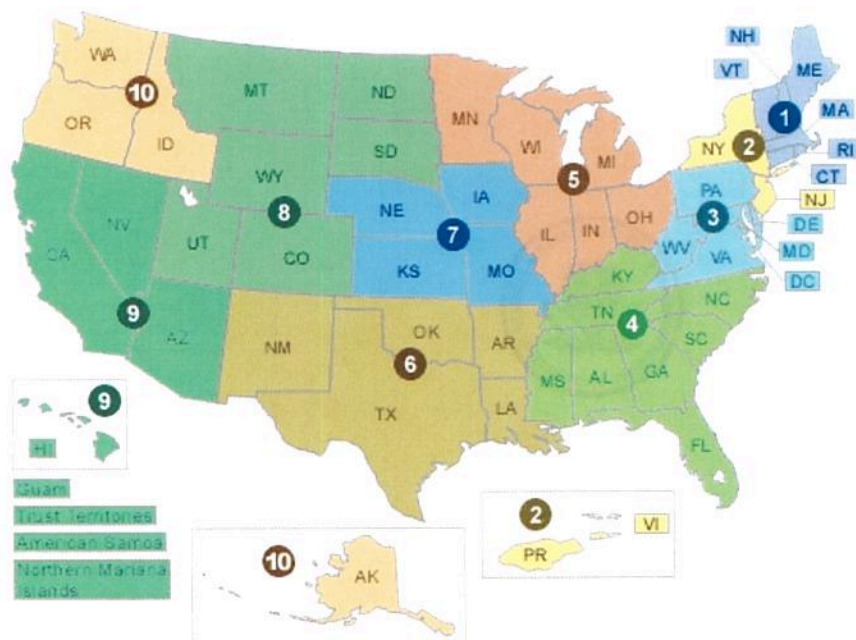
Cleanup of Mercury-Contaminated Chlor-alkali Sites

The chlor-alkali industry manufactures chlorine and caustic soda in three different ways: a mercury-cell process, a diaphragm process or a mercury-free membrane process. The mercury-cell process relies on a mercury cathode to produce chlorine and caustic soda. This process generates mercury-contaminated wastes. Many mercury-cell chlor-alkali plants in the United States have closed or converted to mercury-free processes; however 10 facilities still use the mercury-cell process. One of the 10 facilities has temporarily suspended its mercury-cell operations.

Cleanup of these chlor-alkali plant sites that either have closed or continue to operate can cause significant challenges, including generation of mercury-contaminated:

- Groundwater;
- Surface water;
- Soils and sediments;
- Debris; and
- Stockpiles of elemental mercury.

Choose your Region from the US map below or scroll down to find regional information on active and inactive mercury-cell chlor-alkali plants in the United States.



Region 1: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

		Facility	Facility	Active or		RCRA
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Name of Facility	City, State	Operational Date	Closed Date	Inactive Mercury-cell	Superfund Site	Corrective Action Site
Ethyl Corp. Oxford Paper	Rumford, ME	1916	1970	Inactive	N	Y
HoltraChem Manufacturing Co.	Orrington, ME	1967	2001	Inactive	N	Y

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Region 2: New Jersey, New York, Puerto Rico and the U.S. Virgin Islands

Name of Facility	City, State	Facility Operational Date	Facility Closed Date	Active or Inactive Mercury-cell	Superfund Site	RCRA Corrective Action Site
Allied Signal Willis Avenue Site (Onondaga Lake)	Syracuse, NY	1949	1977	Inactive	Y	N
GAF Corp	Linden, NJ	1963	1989	Inactive	N	Y
LCP, Allied Signal Bridge Street Site (Onondaga Lake)	Syracuse, NY	1953	1988	Inactive	Y	
Maquite Corp.	Elizabeth, NJ	1964	1973	Inactive		N
Occidental Chemical Corp. Hooker Corp.	Niagara Falls, NY	1961	1974	Inactive (SF area) Active (main plant)	Y (only old landfill area)	Y (active area of plant)
Olin	Niagara Falls, NY	1960	1992	Inactive		Y
PPG Inc.	Guayanilla, PR	1971	1978	Inactive	N	Y

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Region 3: Delaware, Maryland, Pennsylvania, Virginia, West Virginia, and the District of Columbia

Name of Facility	City, State	Facility Operational Date	Facility Closed Date	Active or Inactive Mercury-cell	Superfund Site	RCRA Corrective Action Site
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PPG Industries, Inc.	New Martinsville, WV	1960	NA	Active	N	Y
LCP, Division of Hanlin Group (Allied Chemical)	Moundsville, WV	1953	1991	Inactive	Y	
Occidental Chemical Corp.	Delaware City, DE	1965	NA	Active		Y
Olin Corp.	Saltville, VA	1951	1972	Inactive	Y	
Murro Paper Co.	Portsmouth, VA		~1965	Inactive		

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Region 4: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee

Name of Facility	City, State	Facility Operational Date	Facility Closed Date	Active or Inactive Mercury-cell	Superfund Site	RCRA Corrective Action Site
Akzo Chemicals, Inc. (Stouffer Chemical)	Axis, AL	1965	1991	Inactive	Y	Y
BF Goodrich Corp. (Westlake Vinyls)	Calvert City, KY	1965	2002	Inactive (membrane tech went online Jan/03 & Hg cells decommissioned by June/03.	Y (contiguous landfill area only, not mercury cell)	Y
Solutia (formerly Monsanto Co.)	Anniston, AL	1952	late '60's	Inactive (early '70's)	N	Y
Weyerhaeuser Plymouth Mill Former Chlorine Production Plant	State Road 1565 Martin County, NC	1952	Late '60's - early '70's	Inactive (closed early 1970's)	Y (Dioxin in old landfill)	N
Elf Atochem	Calvert	1949	1982	Inactive	N	Y

North America, Inc. (Pennwalt Corp.)	City, KY					
HoltraChem Manufacturing Co. Hanlin, Allied Chemical	Acme, NC	1963	1997	Inactive (Hg cell decommissioned in 2001)	Y	Y
LCP, Division of Hanlin Group (Allied) LCP purchased site from Allied in 12/79	Brunswick, GA	1957	1994	Inactive	Y	N
Occidental Chemical Corp. Diamond Shamrock	Mobile, AL	1964	1997	Inactive		Y
Occidental Chemical Corp.	Muscle Shoals, AL	1952	NA	Active		Y
Olin	McIntosh, AL	1952	1985	Inactive	Y	Y
Olin	Pisgah Forest, NC	1947	1973	Inactive		
Olin Corp.	Augusta, GA	1965	NA	Active	N	Y
Olin Corp.	Charleston, TN	1962	NA	Active	N	Y

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Region 5: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin

Name of Facility	City, State	Facility Operational Date	Facility Closed Date	Active or Inactive Mercury-cell	Superfund Site	RCRA Corrective Action Site
Ashta Chemicals Inc.	Ashtabula, OH	1963	NA	Active	N	N
BASF-Wyandotte (Wyandotte	Wyandotte, MI	1938	1973	Inactive	Y	Y

Chemicals)						
Vulcan Materials Company	Port Edwards, WI	1967	NA	Active	N	Y
Solutia (formerly Monsanto Co.)	Sauget, IL	1963	1985	Inactive	Y	Y

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Region 6: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas

Name of Facility	City, State	Facility Operational Date	Facility Closed Date	Active or Inactive Mercury-cell	Superfund Site	RCRA Corrective Action Site
ALCOA (Lacava Bay)	Point Comfort, TX	1966	1979	Inactive	Y	N
BASF (Wyandotte Chemicals)	Geismar, LA	1964	1989	Inactive	N	Y
PPG Industries, Inc.	Lake Charles (Westlake), LA	1969	NA	Active	N	Y
Dow Chemical Co.	Plaquemine, LA	1963	1973-1976	Inactive	N	Y
Pioneer Americas	Geismar, LA	1970	NA	Active	N	Proposed

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Region 7: Iowa, Kansas, Missouri, and Nebraska

There are no active or inactive mercury-cell chlor-alkali plants in Region 7.

Region 8: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming

There are no active or inactive mercury-cell chlor-alkali plants in Region 8.

Region 9: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa

		Facility	Facility	Active or		RCRA
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Name of Facility	City, State	Operational Date	Closed Date	Inactive Mercury-cell	Superfund Site	Corrective Action Site
Chlorox, Inc.	Oakland, CA		~1965	Inactive		N
Stauffer Chemical	Dominguez, CA	1963	1973	Inactive	N	Y
Dow Chemical	Pittsburgh, CA	1917	1973	Inactive	N	Y

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Region 10: Alaska, Idaho, Oregon, and Washington

Name of Facility	City, State	Facility Operational Date	Facility Closed Date	Active or Inactive Mercury-cell	Superfund Site	RCRA Corrective Action Site
Weyerhaeuser Co.	Longview, WA	1967	1975	Inactive	N	Y
Georgia Pacific Corp.	Bellingham, WA	1965	1993	Inactive	N	N

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